The Effective Cone of the Kontsevich Moduli Space

Izzet Coskun, Joe Harris, and Jason Starr

Abstract. In this paper we prove that the cone of effective divisors on the Kontsevich moduli spaces of stable maps, $\overline{M}_{0,0}(\mathbb{P}^r, d)$, stabilize when $r \geq d$. We give a complete characterization of the effective divisors on $\overline{M}_{0,0}(\mathbb{P}^d, d)$. They are non-negative linear combinations of boundary divisors and the divisor of maps with degenerate image.